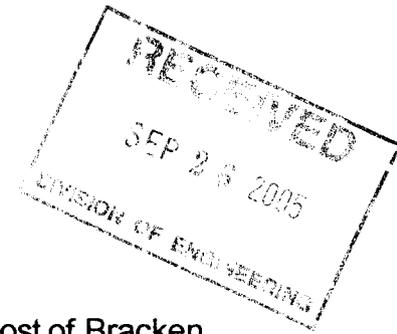


Brent H. Hickey

BRACKEN COUNTY WATER DISTRICT

Water Emergency Supply Plan



INTRODUCTION

Bracken County Water District ("BCWD) provides drinking water to most of Bracken, part of Mason, and Robertson and Pendleton counties. Bracken County has both retail and whole- sale capacities. BCWD presently meets the water needs of this service area by purchasing water from the Augusta Regional Water Treatment Plant, Augusta, Ky. AWTP has the capacity of **1.4 MGD** which is divided between the City of Augusta and BCWD. BCWD has the pumping capacity of approximately **1.0MGD**.

It is the purpose of this *Water Emergency Supply Plan* to outline the measures that will be taken to meet the water needs of the Bracken County Water District during a time when usage is expected to be greater that the production and pumping capacity allowed by the agreement with AWTP. This is not only during a time of limited rainfall but also during times of electrical service interruptions. The critical variables that will determine the level of implementation of the Plan are available supply of water, daily customer demand, and anticipated precipitation that would greatly reduce the amount of outdoor water use in the service area.

Since this Plan relies on customer conservation to ensure an adequate supply of drinking water to all customers, the most important component of the Plan will be keeping the customers informed at all times. Their awareness and understanding of the situation from the initial stages of concern and continuing through each phase of the Plan is the key to an efficient and adequate response to a water shortage.

Each water utility and wholesale customer will be responsibility to communicate with their direct customers directly regarding the levels of conservation due.

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BCWD will monitor the overall production, system demands, and storage levels in order to enable each utility and wholesale customer to effectively communicate the water supply situation to its customers. Therefore, this Plan contains three critical components:

1. Monitoring demand, production, and storage reserves on a daily basis;
2. Communication with BCWD's wholesale customers;
3. Educating the general public as to whether a water shortage exists and its level of severity.

BRACKEN COUNTY WATER DISTRICT DEMAND, PRODUCTION, AND STORAGE MONITORING

The two key parameters to monitor are the daily production and the distribution storage Volume. The Operations Manager will monitor these parameters daily when production reaches .8 MGD. The concerns are:

If demand exceeds production capacity or key distribution storage tank(s) do not recover fully from the previous day, then the Operations Manager will immediately be alerted to the situation at hand. The Operations Manager will decide what level of conservation of the Water Emergency Supply Plan to implement and the affected service area. Daily monitoring of production and storage volume will continue until system demand drops back below .7 MGD and all water storage facilities are fully recovering on a daily basis.

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BRACKEN COUNTY WATER DISTRICT INTERNAL CONSERVATION EFFORTS Once the District declares the first level of conservation in the Water Emergency Supply Plan, the following internal conservation measures:

1. Suspend the Flushing Program and all non-essential flushing. All personnel will be directed to keep essential flushing to a bare minimum.
2. Leak detection will become the highest priority of the until the shortage is declared over.
3. Increase customer education programs to reach ~~as~~ many customers as possible in the affected service areas.
4. Suspend the flushing of new lines unless the new line will contribute towards alleviating the problem.
5. Initiate communications with all fire departments within the affected areas to refrain from using any hydrants, except for fire fighting purposes.



BRACKEN COUNTY WATER CONSERVATION:

It is understood that the Level 1 Program is the least restrictive and the Level 4 Program is the most restrictive program.

Level 1: All customers are requested to voluntarily limit all Non-essential Outdoor watering.

Level 2: The conservation program described in Level 1 becomes mandatory, with appropriate enforcement.

Level 3: The conservation program described in Level 2 continues. In addition any one not in compliance shall be issued a citation and fined \$20.00 per 1000 gallons above customer's average usage.

Level 4: The conservation program described in Level 3 becomes mandatory, with appropriate enforcement. After the first offense water service shall be suspended and not restored until all fines and applicable reconnect fees paid.

Note: "Non-essential Outdoor Watering", for the purposes of the above four levels of conservation, is defined as:

1. *Watering of lawns, trees, shrubs, flowers, and gardens.*
2. *Use of fire hydrants (except for fire fighting and other essential purposes), including flushing of sewers and hydrants except as needed for public health and safety-*
3. *Increasing water levels in scenic and recreational ponds and lakes except for minimum amounts required to support fish and wildlife.*
4. *Filling or introducing additional water into swimming pools, fountains, reflecting pools, and artificial waterfalls.*

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5. *Use of water for dirt control or compaction.*
6. *Washing sidewalks, walkways, driveways, parking lots, tennis courts, or other hard surfaces, and flushing of gutters.*
7. *Washing buildings or structures other than for purposes of fire protection.*
8. *Washing of motor or other vehicles.*

BCWD may also implement water rationing should such a measure be deemed necessary. BCWD will determine when to raise or lower the level of conservation based on demand, storage volumes, and predicted rainfall and other factors.

The decision to issue, upgrade, downgrade or withdraw the level of alert will be made by the Operator in charge, or his delegate, of BCWD. This decision is based on demand, storage volume, predicted rainfall and other factors. The Operator, or his delegate, will be the official spokesperson of BCWD.

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